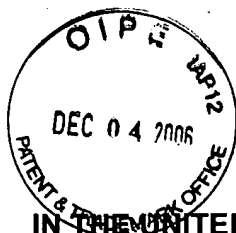


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Docket No.: 64177 (70551)  
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:  
Tadashi Iwamatsu, et al.

Application No.: 10/550,750

Confirmation No.: 3772

Filed: September 23, 2005

Art Unit: 2879

For: ELECTRON EMISSION ELEMENT AND  
IMAGE FORMING APPARATUS  
EMPLOYING IT

Examiner: Not yet assigned

**NOTIFICATION OF RELATED APPLICATION AND  
INFORMATION DISCLOSURE STATEMENT (IDS)**

MS Amendment  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

\*\*\*\*\*  
**CERTIFICATE OF EXPRESS MAILING**

I hereby certify that this correspondence is being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 (Express Mail Label No: EV 894060104 US), and is addressed to Mail Stop: AMENDMENT, Commissioner for Patents P.O. Box 1450 Alexandria, VA 22313-1450 on December 4, 2006.

By Kathryn A. Grindrod  
Kathryn A. Grindrod

\*\*\*\*\*  
Pursuant to 37 CFR 1.56, 1.97 and 1.98, and MPEP §2001.06(b) the attention of the Patent and Trademark Office is hereby directed to the existence of a related application to the present application and to the references/documents listed on the attached PTO/SB/08a/b cited in that related application. It is respectfully requested that these references/documents be expressly considered during the prosecution of this application, and that these references/documents be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

## **NOTIFICATION OF RELATED APPLICATION**

Applicant hereby formally provides notification in the present application of the existence of the following related application:

United States Patent Application Serial No. 10/541,878 filed 8 July 2005

Entitled: "ELECTRONIC EMISSION DEVICE HAVING CLEANING FUNCTION

By: Tadashi Iwamatsu, et al.

Assignee: Sharp Kabushiki Kaisha

## **INFORMATION DISCLOSURE STATEMENT PARTICULARS**

This Information Disclosure Statement formally makes of record in the present application the references/documents that have been made of record in the above-identified related application.

### **I COPIES**

- a.   X   Submitted herewith is a legible copy of (i) each U.S and foreign patent; (ii) each publication or that portion which caused it to be listed; and (iii) all other information or that portion which caused it to be listed. (Applications filed after June 30, 2003, no copies of cited US Patents are required and therefore, are not enclosed).
- b.        This application relies under 35 U.S.C. § 120, on the earlier filing date of prior application Serial No.       , filed on       . The references listed on the attached Form PTO/SB08a/b were submitted to, and/or cited by, the Office in the prior application(s) and, therefore, are not required to be provided in this application.

II. CONCISE EXPLANATION OF THE RELEVANCE  
(check at least one box)

- a.   X   Except as may be indicated below in (b), all of the patents, publications or other information submitted herewith are in the English language or were cited in an English language Search Report, a copy of which is attached hereto (concise explanation not required).
- b.   X   A concise explanation of the relevance of all patents, publications or other information listed that is not in the English language is as follows:

A concise explanation of the potential relevance of items BC, BE and BF listed on the attached Form PTO/SB/08a/b is in the form of an English language copy of a Search Report from a foreign patent office, in a case corresponding to the related application to the present application identified above, which refers to the potentially relevant portions of those references/documents.

Item BA is referred to at page 2, line 5 of the related application identified above, and item BB is referred to at page 4, lines 15-16, and at page 5, lines 20-21 of that specification. Items BC, BE and BF are referred to in the International Search Report issued concerning the related application identified above. Item CA is referred to at page 6, line 12 of the related application identified above, and item CB is referred to at page 4, lines 16-17 of that related application.

- c.        The following additional information is provided for the Examiner's consideration:

## FEES

III. THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(b)  
(check one box)

- a. \_\_\_\_\_ within three months of the filing date of a national application (37 C.F.R. § 1.97(b) (1)). No fee or certification is required.
- b. \_\_\_\_\_ within three months of the date of entry of the national stage as set forth in §1.491 in an international application (37 C.F.R. § 1.97(b) (2)). No fee or certification is required.

- c.   X   before the mailing date of a first Action on the merits (37 C.F.R.

§ 1.97(b) (3)). No fee or certification is required. In the event that a first Office Action on the merits has been issued, please consider this IDS under 37 C.F.R. § 1.97(c) and see the certification under 37 C.F.R. § 1.97(e) below, or, if no certification has been made, charge our deposit account a fee in the amount of \$180.00 as required by 37 C.F.R. § 1.17(p).

IV. THIS IDS IS BEING FILED UNDER 37 C.F.R. § 1.97(c):  
(check one box)

before the mailing date of a Final Office Action under 37 C.F.R. § 1.113 (See 37 C.F.R. § 1.97(c) (1)) or before the mailing date of a Notice of Allowance under 37 C.F.R. § 1.311 (See 37 C.F.R. § 1.97(c) (2)).

- a. \_\_\_\_\_ No certification; therefore, a fee in the amount of \$180.00 is required by 37 C.F.R. §1.17(p).

**OR**

- b. \_\_\_\_\_ See the certification below. No fee is required.

V. STATEMENT UNDER 37 C.F.R. § 1.97(d)

The undersigned hereby states that

\_\_\_\_\_ This Information Disclosure Statement is filed after the mailing date of a Final Office Action or Notice of Allowance, whichever occurred first, but on or before payment of the Issue Fee (37 CFR 1.97(d)). Accordingly, Applicant(s) respectfully hereby petition(s) that this Information Disclosure Statement be considered.

VI. STATEMENT UNDER 37 C.F.R. § 1.97(e)  
(check only one box)

The undersigned hereby states that

- a. \_\_\_\_\_ each item of information contained in the IDS was first cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS; or
- b. \_\_\_\_\_ no item of information contained in the IDS was first cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

c. \_\_\_\_\_ Some of the items of information were cited in a communication from a foreign Patent Office. As to this information, the undersigned certifies that each item of information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application not more than three months prior to the filing of this IDS. As to the remaining information, the undersigned hereby certifies that no item of this remaining information contained in the IDS was cited in a communication from a foreign Patent Office in a counterpart foreign application or, to the best of my knowledge after making reasonable inquiry, was known to any individual designated in 37 C.F.R. § 1.56(c) more than three months prior to the filing of this statement.

\_\_\_\_\_ Please charge Deposit Account No. 04-1105 in the amount of \$180.00 for the above-indicated fee. A triplicate copy of this paper is attached.

  X   No fee is required.

  X   Applicant believes that additional fees beyond those submitted herewith are not required in connection with the consideration of this submission. However, if for any reason a further fee is required, a fee paid is inadequate or a credit is owed for any excess fee paid, you are hereby authorized and requested to charge and/or credit Deposit Account No. 04-1105, as necessary, for the correct payment of all fees which may be due in connection with the filing and consideration of this communication.

If the Examiner has any questions concerning this Information Disclosure Statement, he/she is requested to contact the undersigned. Further, if it is determined that this Information Disclosure Statement has been filed under the wrong rule, the United States Patent and Trademark Office is requested to consider this Information Disclosure Statement under the proper rule, with a petition if necessary, and to charge the appropriate fee to Deposit Account No. **04-1105**.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 04-1105, under Order No. 64177 (70551) . A duplicate copy of this paper is enclosed.

Dated: December 4, 2006

Respectfully submitted,

By David A. Tucker

David A. Tucker

Registration No.: 27,840

EDWARDS ANGELL PALMER & DODGE LLP

P.O. Box 55874

Boston, Massachusetts 02205

(617) 517-5508

Attorney for Applicant

577996

Attorney Docket No.: 64177 (70551)

# Certificate of Express Mailing Under 37 CFR 1.10

I hereby certify that this correspondence is being deposited with the United States Postal Service as Express Mail, Airbill No. **EV 894060104 US** in an envelope addressed to:

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Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450**

on December 4, 2006  
Date

Kathryn Brindley  
Signature

Kathryn Grindrod

Typed or printed name of person signing Certificate

Registration Number, if applicable

(617) 517-5534  
Telephone Number

**Note:** Each paper must have its own certificate of mailing, or this certificate must identify each submitted paper.

Notification of Related Application and Information Disclosure Statement  
(IDS) (7 pages)  
Form PTO/SB/08a/b (w/8 References) (1 page)  
Return Receipt Postcard



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Substitute for form 1449A/B/PTO				<b>Complete if Known</b>	
<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>  (Use as many sheets as necessary)				Application Number	10/550,750
				Filing Date	September 23, 2005
				First Named Inventor	Tadashi Iwamatsu
				Art Unit	2879
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	64177 (70551)



U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> -Number <sup>4</sup> -Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
	BA	JP-06-255168	09-13-1994			✓
	BB	JP-08-250766	09-27-1996			✓
	BC	JP-2000-019921	01-21-2000			✓
	BD	JP-2001-313151	11-09-2001			✓
	BE	JP-2001-357961	12-26-2001			✓
	BF	JP-2002-258585	09-11-2002			✓

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached. Abstract only.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	CA	Y. Yamaguchi, et al. <i>Application of Carbon Nanotube to Electron Beam Source for Imaging</i> , Department of Physics and Electronics, Osaka Prefectur University, pp. 221-224.	
	CB	Y. Nakajima, et al. <i>"A Novel Solid-State Light-Emitting Device Based on Ballistic Electron Excitation"</i> , Materials Research Society, 2001, Vol 638, pp. 17-22.	

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature		Date Considered	
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